

12 kW Hybrid Inverter for PV Systems

Model: DEYE HYBRID INVERTER 12KW

Short Description

The three-phase 12 kW hybrid inverters from Deye are designed for modern photovoltaic systems. They enable a combination of solar power generation, battery storage, and backup power supply - suitable for both residential and commercial applications.

Thanks to 100% unbalanced output capability, the device is especially suited for applications with uneven phase distribution. The integration of an energy management system, backup power function, and the ability to connect up to 10 units in parallel make this inverter highly versatile.

Typical Applications

- Single-family homes with PV systems
- Commercial facilities with battery storage
- Systems with high energy consumption
- PV systems with diesel generator support
- Backup-capable photovoltaic solutions

System Advantages

- Three-phase hybrid inverter with 12 kW power
- 100% unbalanced output performance
- Parallel connection of up to 10 units
- 240 A charge/discharge current, 48 V battery compatibility
- PV input power: 6,500 W to 15,600 W
- Integrated energy management function
- Compatible with diesel generators
- 6 configurable charge/discharge time periods